

*Municipal Wastewater Planning Program (MWPP)*  
*Annual Report*  
*for the year ending 2020*  
**MOUNTAIN GREEN SID**

Thank you for submitting your response!

Please download a copy of your form by clicking "Download PDF" below.

Below is a summary of your responses

[Download PDF](#)

**SUBMIT BY APRIL 15, 2021**

Are you the person responsible for completing this report for your organization?

Yes

No

This is the current information recorded for your facility:

<b>Facility Name:</b>	MOUNTAIN GREEN SID
<b>Contact - First Name:</b>	Kent
<b>Contact - Last Name:</b>	Wilkerson
<b>Contact - Title</b>	District Manager
<b>Contact - Phone:</b>	801-845-6481

Contact - Email:	manager@mgsid.com
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Is this information above complete and correct?

Yes

No

Your wastewater system is described as Collection, Discharging Lagoon & Financial:

**Classification:** COLLECTION

**Grade:** II

(if applicable)

**Classification:** TREATMENT

**Grade:** I

Is this correct?

**WARNING:** If you select 'no', you will no longer have access to this form upon clicking Save & Continue. DWQ will update the information and contact you again.

Yes

No

Click on a link below to view examples of sections in the survey:

(Your wastewater system is described as Collection, Discharging Lagoon & Financial)

[MWPP Collection System.pdf](#)

[MWPP Discharging Lagoon.pdf](#)

[MWPP Financial Evaluation.pdf](#)

[MWPP Mechanical Plant.pdf](#)

[MWPP Non-Discharging Lagoon.pdf](#)

Will multiple people be required to fill out this form?

Yes

No

## Financial Evaluation Section

Form completed by:

Kent Wilkerson

### Part I: GENERAL QUESTIONS

Yes

No

Are sewer revenues maintained in a dedicated purpose enterprise/district account?

Yes

No

Are you collecting 95% or more of your anticipated sewer revenue?

Are Debt Service Reserve Fund<sup>6</sup> requirements being met?

What was the annual average User Charge<sup>16</sup> for 2020?

528

Do you have a water and/or sewer customer assistance program\* (CAP)?

Yes

Yes

No

## Part II: OPERATING REVENUES AND RESERVES

Yes

No

Are property taxes or other assessments applied to the sewer systems<sup>15</sup>?

2020 Revenue from these taxes =

54,060

Yes

No

Are sewer revenues<sup>14</sup> sufficient to cover operations & maintenance costs<sup>9</sup>, and repair & replacement costs<sup>12</sup> (OM&R) at this time?

Are projected sewer revenues sufficient to cover OM&R costs for the *next five years*?

Does the sewer system have sufficient staff to provide proper OM&R?

Has a repair and replacement sinking fund<sup>13</sup> been established for the sewer system?

Is the repair & replacement sinking fund sufficient to meet anticipated needs?

## Part III: CAPITAL IMPROVEMENTS REVENUES AND RESERVES

Yes

No

Are sewer revenues sufficient to cover all costs of current capital improvements<sup>3</sup> projects?

Yes

No

Has a Capital Improvements Reserve Fund<sup>4</sup> been established to provide for anticipated capital improvement projects?

Are projected Capital Improvements Reserve Funds sufficient for the *next five years*?

Are projected Capital Improvements Reserve Funds sufficient for the *next ten years*?

Are projected Capital Improvements Reserve Funds sufficient for the *next twenty years*?

## Part IV: FISCAL SUSTAINABILITY REVIEW

Yes

No

Have you completed a Rate Study<sup>11</sup> within the last five years?

Do you charge Impact fees<sup>8</sup>?

2020 Impact Fee (if not a flat fee, use average of all collected fees) =

5685.20

Yes

No

Have you completed an Impact Fee Study in accordance with UCA 11-36a-3 within the last five years?

Do you maintain a Plan of Operations<sup>10</sup>?

Have you updated your Capital Facility Plan<sup>2</sup> within the last five years?

Yes

No

Yes

No

Do you use an Asset Management<sup>1</sup> system for your sewer systems?

Describe the Asset Management System (check all that apply)

Spreadsheet

GIS

Accounting Software

Specialized Software

Other

Yes

No

Do you know the total replacement cost of your sewer system capital assets?

2020 Replacement Cost =

14500000

Yes

No

Do you fund sewer system capital improvements annually with sewer revenues at 2% or more of the total replacement cost?

What is the sewer/treatment system annual asset renewal\* cost as a percentage of its total replacement cost?

Yes



No



What is the sewer/treatment system annual asset renewal\* cost as a percentage of its total replacement cost?

203153

## Part V: PROJECTED CAPITAL INVESTMENT COSTS

### Cost of projected capital improvements

	Cost Please enter a valid numerical value	Purpose of Improvements		
		Replace/Restore	New Technology	Increase Capacity
2021	500000	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2021 thru 2025	13000000	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2026 thru 2030	750000	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2031 thru 2035	250000	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2036 thru 2040	7250000	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

This is the end of the Financial questions

To the best of my knowledge, the Financial section is completed and accurate.

Yes

Form completed by:

May Receive Continuing Education /units (CEUs)

Kent Wilkerson

## Part I: SYSTEM DESCRIPTION

What is the largest diameter pipe in the collection system (diameter in inches)?

21

What is the average depth of the collection system (in feet)?

9

What is the total length of sewer pipe in the system (length in miles)?

31

How many lift/pump stations are in the collection system?

2

What is the largest capacity lift/pump station in the collection system (design capacity in gallons per minute)?

2000

Do seasonal daily peak flows exceed the average peak daily flow by 100 percent or more?



Yes

No

What year was your collection system first constructed (approximately)?

1989

In what year was the largest diameter sewer pipe in the collection system constructed, replaced or renewed? (If more than one, cite the oldest)

2009

## PART II: DISCHARGES

How many days last year was there a sewage bypass, overflow or basement flooding in the system due to rain or snowmelt?

0

How many days last year was there a sewage bypass, overflow or basement flooding due to equipment failure (except plugged laterals)?

0

*The Utah Sewer Management Program defines two classes of sanitary sewer overflows (SSOs):*

**Class 1-** a Significant SSO means a SSO or backup that is not caused by a private lateral obstruction or problem that:

*(a) affects more than five private structures;*

*(b) affects one or more public, commercial or industrial structure(s);*

*(c) may result in a public health risk to the general public;*

*(d) has a spill volume that exceeds 5,000 gallons, excluding those in single private structures; or*

single private structures, or  
(e) discharges to Waters of the state.

**Class 2** - a Non-Significant SSO means a SSO or backup that is not caused by a private lateral obstruction or problem that does not meet the Class 1 SSO criteria.

Below include the number of SSOs that occurred in year: 2020

	Number
Number of Class 1 SSOs in Calendar year	<input type="text" value="0"/>
Number of Class 2 SSOs in Calendar year	<input type="text" value="0"/>

Please indicate what caused the SSO(s) in the previous question.

Please specify whether the SSOs were caused by contract or tributary community, etc.

### Part III: NEW DEVELOPMENT

Did an industry or other development enter the community or expand production in the past two years, such that flow or wastewater loadings to the sewerage system increased by 10% or more?

- Yes
- No

Are new developments (industrial, commercial, or residential) anticipated in the next 2 - 3 years that will increase flow or BOD5 loadings to the sewerage system by 25% or more?

Yes

No

Number of new commercial/industrial connections in the last year

1.2

Number of new residential sewer connections added in the last year

41

Equivalent residential connections<sup>7</sup> served

1203

## Part IV: OPERATOR CERTIFICATION

How many collection system operators do you employ?

2

Approximate population served

4100

*State of Utah Administrative Rules requires all public system operators considered to be in Direct Responsible Charge (DRC) to be appropriately certified at least at the Facility's Grade.*

List the designated Chief Operator/DRC for the Collection System below:

	Name First and Last Name	Grade	Email Please enter full email address
Chief Operator/DRC	Kent Wilkerson	II	manager@mgsid.com

List all other Collection System operators with DRC responsibilities in the field, by certification grade, separate names by commas:

	Name separate by comma
SLS <sup>17</sup> Grade I:	
Collection Grade I:	
Collection Grade II:	Nathan Hadley
Collection Grade III:	
Collection Grade IV:	

List all other Collection System operators by certification grade, separate names by commas:

	Name separate by comma
SLS <sup>17</sup> Grade I:	
Collection Grade I:	
Collection Grade II:	Nathan Hadley
Collection Grade III:	
Collection Grade IV:	
No Current Collection Certification:	

Is/are your collection DRC operator(s) currently certified at the appropriate grade for this facility?

Yes

No

## Part V: FACILITY MAINTENANCE

	Yes	No
Have you implemented a preventative maintenance program for your collection system?	<input checked="" type="radio"/>	<input type="radio"/>
Have you updated the collection system operations and maintenance manual within the past 5 years?	<input checked="" type="radio"/>	<input type="radio"/>
Do you have a written emergency response plan for sewer systems?	<input checked="" type="radio"/>	<input type="radio"/>
Do you have a written safety plan for sewer systems?	<input checked="" type="radio"/>	<input type="radio"/>
Is the entire collections system TV inspected at least every 5 years?	<input checked="" type="radio"/>	<input type="radio"/>
Is at least 85% of the collections system mapped in GIS?	<input checked="" type="radio"/>	<input type="radio"/>

## Part VI: SSMP EVALUATION

	Yes	No
Has your system completed a Sewer System Management Plan (SSMP)?	<input checked="" type="radio"/>	<input type="radio"/>
Has the SSMP been adopted by the permittee's governing body at a public meeting?	<input checked="" type="radio"/>	<input type="radio"/>

Has the completed SSMP been public noticed?

Yes

No

During the annual assessment of the SSMP, were any adjustments needed based on the performance of the plan?

Date of Public Notice

02/16/2016

What adjustments were made to the SSMP (i.e. line cleaning, CCTV inspections, manhole inspections and/or SSO events)?

normal maintenance / cleaning - come construction debris removed

During 2020, was any part of the SSMP audited as part of the five year audit?

Yes

No

Have you completed a System Evaluation and Capacity Assurance Plan (SECAP) as defined by the Utah Sewer Management Program?

Yes

No

## Part VII: NARRATIVE EVALUATION

This section should be completed with the system operators.

Describe the physical condition of the sewerage system: (lift stations, etc. included)

The original system was installed 1989. Most collection lines are 8" PVC with a few mains at 10 and 12". 2009 a main line was installed most is 15" or 18" to accommodate growth on the east side of the area. The headworks and final collection is 21". Lines are inspected and cleaned on a rotating basis. Conditions are good. There are only 2 lifts in the system. Plant and Monte Verde. Both have been recently evaluated and in acceptable condition with minor improvements recommended. The Collections Lift (Monte Verde) is old but functions well. It needs relocated outside the UDOT right-of-way for better access and is projected to run out of capacity in the nearer future 5-10 years. Plans are in place to replace it.

What sewerage system capital improvements<sup>3</sup> does the utility need to implement in the next 10 years?

Update the one collection system lift station and increase capacity of some of the 10 and 12" lines Details available in the Capital Facilities Plan (CFP) on our website: MGSID.com

What sewerage system problems, other than plugging, have you had over the last year?

Infiltration of ground water

Is your utility currently preparing or updating its capital facilities plan<sup>2</sup>?

Yes

**No**

Does the municipality/district pay for the continuing education expenses of operators?

**100% Covered**

Partially cover

Does not pay

Is there a written policy regarding continuing education and training for wastewater operators?

wastewater operators:

Yes

No

Any additional comments?

MGSID updated the Capital Facilities Plan this year see mgsid.com.

This is the end of the Collections System questions

To the best of my knowledge, the Collections System section is completed and accurate.

Yes

### *Discharging Lagoon Facility*

Form completed by:

May Receive Continuing Education /units (CEUs)

Kent Wilkerson

## Part I: INFLUENT INFORMATION

Please provide the average influent flow rate and average influent BOD<sub>5</sub> and TSS loading rates listed below for your facility.

	Average Daily Flow (MGD)	Average Daily BOD <sub>5</sub> Load (lb/day)
Design Basis or Rated Capacity	0.6	1146



2020 Average	.30	Average Daily BOD <sub>5</sub> Load	549.53
Percent Capacity in Use	Average Daily Flow (MGD)	(lb/day)	
	50	48	

Average Daily TSS Load (lb/day)

Design Basis or Rated Capacity	1151
2020 Average	461.52
Percent Capacity in Use	40.1

## Part II: EFFLUENT INFORMATION

How many Notices of Violation (NOVs) did you receive for this facility in the review year?

0

## Part III: DISCHARGES

Answer

How many days in the past year was there a bypass or overflow of wastewater at the facility due to high flows?

0

How many days in the last year was there a bypass or overflow of wastewater at the facility due to equipment failure?

0

## Part IV: FACILITY AGE

In what year were the following process units most recently constructed, upgraded or renewed?

Note: If a unit process does not apply to your system enter the Evaluation Year under Construction or Upgrade Year.

	Evaluation Year	Construction or Upgrade Year	Age
Headworks	2020	2008	13
Lagoons (including aeration)	2020	2008	13
Disinfection	2020	2008	13
Land Application/Disposal	2020	1989	22

## Part V: NEW DEVELOPMENT

	Answer
Number of new commercial/industrial connections added in the last year	1.2
Number of new residential sewer connections added in the last year	41
Equivalent residential connections <sup>7</sup> served	1203

## Part VI: OPERATOR CERTIFICATION

How many treatment operators do you employ?

1

*Utah Administrative Rules require all public system operators considered to be in Direct Responsible Charge (DRC) to be appropriately certified at least at the Facility's Grade.*

List the designated Chief Operator/DRC for the Wastewater Treatment System below:

	Name First and Last Name	Grade	Email Please enter full email address
Chief Operator/DRC	Kent Wilkerson	II	manager@mgsid.com

List all other Wastewater Treatment System operators with DRC responsibilities in the field, by certification grade, separate names by commas:

	Name separate by comma
SLS <sup>17</sup> Grade I:	<input type="text"/>
Treatment Grade I:	<input type="text"/>
Treatment Grade II:	<input type="text"/>
Treatment Grade III:	<input type="text"/>
Treatment Grade IV:	<input type="text"/>

List all other Wastewater Treatment System operators by certification grade, separate names by commas:

	Name separate by comma
SLS <sup>17</sup> Grade I:	<input type="text"/>
Treatment Grade I:	<input type="text"/>
Treatment Grade II:	<input type="text"/>
Treatment Grade III:	<input type="text"/>
Treatment Grade IV:	<input type="text"/>
No Current Treatment Certification:	<input type="text"/>

Is/are your DRC operator(s) currently certified at the appropriate grade for

this facility?

Yes

No

## Part VII: FACILITY MAINTENANCE

Yes

No

Have you implemented a preventative maintenance program for your treatment system?

Have you updated the treatment system operations and maintenance manual within the past 5 years?

Identify the types of treatment units at your facility.

Screening

Grit Removal

**Lagoon Variations**

Phosphorus Treatment

**Chlorine Disinfection**

UV Disinfection

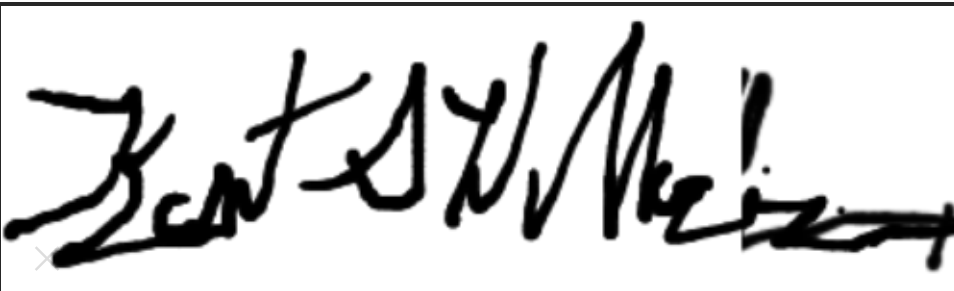
Land Application/Disposal

This is the end of the Discharging Lagoon Facility questions

To the best of my knowledge, the Discharging Lagoon Facility section is completed and accurate.

Yes

I have reviewed this report and to the best of my knowledge the information provided in this report is correct.



clear

Has this been adopted by the council? If no, what date will it be presented to the council?

Yes

No

What date was this adopted?

Date format ex. mm/dd/yyyy

04/08/2021

Please log in.

Email

manager@mgsid.com

PIN

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needs of your wastewater systems. If you received financial assistance from the Water Quality Board, annual submittal of this report is a condition of that assistance. Please answer questions as accurately as possible to give you the best evaluation of your facility. If you need assistance, please send an email to [wqinfodata@utah.gov](mailto:wqinfodata@utah.gov) and we will contact you as soon as possible. You may also visit our [Frequently Asked Questions](#) page.

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